Scheme: 2023



# Sri Adichunchanagiri Shikshana Trust (R) SJB Institute of Technology



BGS Health and Education City, Dr. Vishnuvardhana Road, Kengeri, Bengaluru-560060

Approved by AICTE, New Delhi.

Autonomous Institute affiliated to Visvesvaraya Technological University, Belagavi Accredited by NAAC with 'A+'grade, Certified by ISO 9001 - 2015 Recognized by UGC, New Delhi with 2(f) & 12 (B)

Semester:	VI	Course Type: HSMC					
Course Title: Social Connect Responsibility							
Course Code	: 23	BSCRH08	Credits:	Credits:			
Teaching Hours/Week (L: T: P: O)			1:0:0:0	Total Hours:	15		
CIE Marks:	50			Total Marks:	50		

# I. Course Objectives:

- This course aims to familiarize students with the dynamics of society and importance of conscious participation in the formation of an ideal society
- The course enables students to critically analyze the social processes of globalization, modernization and social change, and its impact on the socio-cultural system.
- The course aims to develop socially responsible engineers by engaging them in real-world social issues, analyzing their impact, proposing innovative solutions, and effectively documenting their findings.
- The course enables students to create a responsible connection with the society.

## **II. Teaching-Learning Process (General Instructions):**

This course is designed to provide students with hands-on learning experiences that foster social awareness, critical thinking, and problem-solving skills. Teachers play a crucial role in guiding students through real-world issues and encouraging innovative, ethical solutions.

- 1. Foster an Experiential Learning Approach
  - Encourage field visits, case studies, and real-world problem analysis rather than relying solely on theoretical lectures.
  - Use problem-based learning (PBL) where students actively engage with a community issue and work towards solving it.
- 2. Facilitate Active Student Engagement
  - Conduct brainstorming sessions to help students identify and understand societal problems.
  - Promote group discussions and debates on contemporary social issues.
- 3. Encourage Innovative & Feasible Solutions
  - Help students explore technology-driven solutions using engineering principles.
  - Promote a multi-disciplinary approach, integrating environmental, social, and economic aspects.
- 4. Promote Community Interaction & Implementation
  - Guide students to collaborate with NGOs, local communities, or government agencies.
  - Ensure that students test their solutions in real-world settings and collect feedback.
  - Emphasize the importance of ethical considerations in community engagement.
- 5. Train Students in Documentation & Reporting
  - Teach students how to prepare structured reports on their findings, solutions, and implementation outcomes.
  - Encourage presentations, digital storytelling, and video documentation for effective communication.
  - Provide constructive feedback on student projects and ensure continuous improvement.

# Scheme: 2023 III. COURSE CONTENT Module-1:Introduction to Social Connect Responsibility 03Hrs 1. Identify the factors comprising the socio-cultural system and its impact on society The concept of inter-relatedness of society and culture, socio-cultural dimensions, factors contributing to socio-cultural evolution. 3. Identifying problems in areas such as education, healthcare, environment, and infrastructure. **Module-2: Understanding Social Issues** 03 Hrs 1. Understanding societal challenges in local and global contexts. 2. Role of engineers in addressing these issues. 3. Conducting preliminary field surveys and interviews Module-3: Analyzing the Social Problem 03 Hrs 1. Understanding the economic, environmental, and societal impact of the problem 2. Ethical and moral considerations in problem-solving by Interaction with stakeholders (community members, NGOs, government bodies) Root cause analysis using tools like SWOT, Fishbone Diagram, and Case Studies. **Module-4: Proposing Engineering Solutions** 03 Hrs 1. Application of engineering knowledge to develop feasible solutions. 2. Use of technology for social good (IoT, AI, Renewable Energy, Smart Systems, etc.). 3. Sustainable and cost-effective approaches. 4. Feasibility analysis and implementation strategies. **Module-5: Documentation & Reporting** 03 Hrs 1. Preparing a structured report with problem identification, analysis, proposed solutions, and implementation insights. 2. Creating presentations, videos, and other forms of project documentation. 3. Reflecting on personal learning and the social impact of the project. 4. Submission of a final report and group presentation. IV.COURSE OUTCOMES

CO1	Students will be able to recognize and define real-world social issues, assessing their relevance and impact on communities.
CO2	Students will develop analytical skills to investigate the root causes of social problems and evaluate their economic, environmental, and ethical implications.
CO3	Students will apply engineering principles and innovative thinking to propose feasible, sustainable, and technology-driven solutions for identified social issues.
CO4	Students gain from stakeholder's interaction and develop presentation skills.

#### V.CO-PO-PSO MAPPING

PO/PSO	1	2	3	4	5	6	7	8	9	10	11	12
CO1			1			2	1	1	1			1
CO2			1			1	2	1	1			1
CO3			1			2	2	1	1			1
CO4			1			2	1	1	1			1

#### VI. Formative Assessment Details (CIE)

## Continuous Internal Evaluation (CIE)& Rubrics: Refer to Annexure section -8

# VII. Learning Resources

### VII (a). Reference Books:

- 1. C. N. Shankar Rao (2006) Sociology of Indian Society, 2nd, S. Chand publication
- 2. Nandan Nilekani, Imagining India: The Idea of a Renewed Nation, Penguin Books, 2009.
- 3. Gurcharan Das, India Unbound: From Independence to the Global Information Age, Anchor Books, 2002.
- 4. Raghuram G. Rajan, I Do What I Do, Harper Business, 2017.

Scheme: 2023

# VIII. Activity Based Learning

- 1. **Community Survey:** Students visit local communities (rural/urban) to identify real social issues (sanitation, education, healthcare, infrastructure)
- 2. **Collaboration with NGOs & CSR Units:** Partner with organizations working on social impact projects.
- 3. **Sustainability Planning:** Students draft plans for scaling up their solutions in a sustainable manner.
- 4. **Video Documentation:** Create short films showcasing their social project progress and community feedback.

Sl.No.	<b>BOS Member</b>	Affiliation	Signature
1			
2			
3			

**BOS Chairman (Sign & Seal)**